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APPENDIX A

THE INTERVIEW QUESTION ABOUT ENGLISH AS A MEDIUM OF INSTRUCTION

Indicators : Students' interest, students' motivation, students' difficulties and suggestion.

PART 1. General information of the students:

1. Would you mind to introduce yourself?
2. What grade are you?
3. How old are you?

PART 2. Background information:

1. How did you feel about learning English at school?
2. Why did you choose to study in this school?
3. Is it necessary for you to know and learn a foreign language? Why?
4. What are your opinions about English as a foreign language?

PART 3. Students interest:

1. What are the pleasant things on the use of English as a medium of instruction?
2. How do you feel learning Mathematics and science through English as Medium of Instruction?
3. Do you enjoy learning Mathematics and Sciences in English as a medium of instruction?

4. How confident do you feel about using English in class/ with your teacher?
5. Do you think your English language proficiency has improved after you joined the foundation programme/after you joined your specialisation? If yes, in which area has it improved most: speaking, listening, reading, writing? Explain how/why.
6. How much time do you spend improving/working in order to understand courses or do your tasks?

PART 4. Students difficulties:

1. What are the unpleasant things on the use of English as a medium of instruction?
2. Is there any negative effect of learning mathematics and sciences subject in English as a medium of instruction?
3. Do you have difficulty in asking, responding, and understanding the lesson in English? Why?
4. If you have any difficulty, how do you face it/ how do you get help or help yourself?
5. Do you sometimes face difficulties during the exam? If yes, what kind of difficulties?

PART 5. Students suggestions:

1. When you attend a class, what do you usually do? How do you feel?
Prompts: listen / take notes/ copy from the board/ participate in class discussions/ solve problems/ ask the teacher/friend
2. What are the advantages of using English as a medium of instruction?
3. Do you have any suggestion in learning Mathematics and Sciences subject through English as a medium of instruction?

Source: The interview instrument was adapted from Hood' theory. Hood, Philip. 2010. Evaluating the impact of CLIL programmes. In Do Coyle, Philip Hood & David Marsh (eds.), *Content and language integrated learning*, 133-149. Cambridge: Cambridge University Press.

APPENDIX B

ENGLISH AS A MEDIUM OF INSTRUCTION OBSERVATION CHECKLIST



Day/Date of observation :

Observation number :

Direction:

Please check the appropriate column for each item in a section, where:

Please make notes in the column provided. This will serve as additional information and a guide for your general comments at the end of the observation.

| No. | Aspects | Field note |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| 1. | Students' interest Teachers greet the students using English Teacher checks the students' attendance Teacher reviews the previous material by using English Students can respond to teacher's greeting by using English Students can give their opinion in English | |

| | | |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 2. | <p>Students' motivation</p> <p>Teacher uses English as a medium of instruction in teaching and learning process</p> <p>Teacher uses her own sentences in giving an instruction in teaching and learning process</p> <p>Teacher asks question related to the material to the students to build students' behavior in giving comments by using English</p> <p>Teacher invites students' participation and comments using English</p> <p>Students pay attention to the teacher's instruction seriously</p> <p>Students can answers the teacher's question correctly</p> <p>Students can ask question in English</p> | |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|

| | | |
|----|--------------------------------------------------------------------------------------------------------------------------------------------|--|
| | Students can participate actively during the teaching and learning activities | |
| 3. | Students' difficulties Students' keep asking about their teacher's explanation Students' can not answer the examination well | |

APPENDIX C
INTERVIEW TRANSCRIPTION

This interview was conducted on April 11st, 2019 at SMP Paramount Palembang. The writer used semi-structured interview format in interviewing them.

Tary :

Interviewer : Good Morning.

Interviewee : Good Morning

Interviewer : Would you mind to mention your name?

Interviewee : My name is Tary.

Interviewer : Do you still remember when the first time do you learnt English?

Interviewee : The first time I learnt English when i was 6 years old in kinder garden.

Interviewer : Is it necessary for you to know and learn English? Why?

Interviewee : Yes, it is necessary. It is for my study and communicate with others people

Interviewer : What is the importance of English as foreign language in our education system?

Interviewee : The importance of English as foreign language in our education system is to learn

Interviewer : Do you have difficulty in asking, responding and understanding the lesson in English? Why?

Interviewee : I think there is difficulty in asking, responding and understanding the lesson in English sometimes I do not know some vocabularies in English especially in my textbook and explanation by the teachers.

Interviewer : What are the pleasant things on the use of English as a medium of instruction?

Interviewee : There are a lot of pleasant things on the use of English as a medium of instruction. One of them is when I learnt about counted the number

Interviewer : What are the unpleasant things on the use of English as a medium of instruction?

Interviewee : The unpleasant things on the use of English as a medium of instruction is when i should counted the big number and it made me confused.

Interviewer : What are the advantages of learning mathematics and sciences subject through English as a medium of instruction?

Interviewee : The advantage of learning mathematics and sciences subject through English as a medium of instruction is i can learn and understand those subjects well

Interviewer : What are the disadvantages of learning mathematics and sciences subject through English as a medium of instruction?

Interviewee : There is no disadvantage of learning mathematics and sciences subject through English as a medium of instruction

Interviewer : Do you sometimes face difficulties during the exam? If yes, what kind of difficulties?

Interviewee : Yes, I do. Sometimes I do not know the meaning and do not understand the exam through English as a medium of instruction.

Interviewer : Do you have any suggestion in learning mathematics and sciences subject through English as a medium of instruction?

Interviewee : There is no

Justin :

Interviewer : Good Morning.

Interviewee : Good Morning

Interviewer : Would you mind to mention your name?

Interviewee : My name is Justin.

Interviewer : How old are you?

Interviewee : I am 13 years old.

Interviewer : Do you still remember when the first time do you learnt English?

Interviewee : I forgot when the first time I learn English but I learnt it from video game.

Interviewer : Is it necessary for you to know and learn English? Why?

Interviewee : Yes, it's so necessary because others people can understanding it very well and I prefer to use English than *Bahasa* because it makes me confident enough in delivering my opinions to my teacher

Interviewer : What is the importance of English as foreign language in our education system?

Interviewee : The importance of English as foreign language in our education system is it can be improved my English skills and if I speak English everyday especially in my school, I can join international physics Olympiad competition because I can speak English.

Interviewer : Do you have difficulty in asking, responding and understanding the lesson in English? Why?

Interviewee : I think there is difficulty in asking, responding and understanding the lesson in English, so I always ask my friends about the meaning of the questions in the exercise because I do not understand and especially the language used in the textbook is difficult to understand

Interviewer : What are the pleasant things on the use of English as a medium of instruction?

Interviewee : The pleasant things on the use of English as a medium of instruction is he can used English even though they seldom use it

Interviewer : What are the unpleasant things on the use of English as a medium of instruction?

Interviewee : The unpleasant things on the use of English as a medium of instruction is sometimes my other friend would mind to join in the conversation but they only bother us because they grammar was wrong

Interviewer : What are the advantages of learning mathematics and sciences subject through English as a medium of instruction?

Interviewee : The advantage of learning mathematics and sciences subject through English as a medium of instruction is if you wanted to go to study to another country you can understand the language they use

Interviewer : What are the disadvantages of learning mathematics and sciences subject through English as a medium of instruction?

Interviewee : Disadvantage of learning mathematics and sciences subject through English as a medium of instruction is some people might do not understand the language

Interviewer : Do you sometimes face difficulties during the exam? If yes, what kind of difficulties?

Interviewee : If I do not understand the meaning of the questions in the exam, I often ask my teacher to translate and explain it in details so that I can answer the questions

Interviewer : Do you have any suggestion in learning mathematics and sciences subject through English as a medium of instruction?

Interviewee : There is no suggestion

Rakha :

Interviewer : Good Morning.

Interviewee : Good Morning

Interviewer : Would you mind to mention your name?

Interviewee : My name is rakha.

Interviewer : How old are you?

Interviewee : I am 14 years old.

Interviewer : Do you still remember when the first time do you learnt English?

Interviewee : The first time i learnt English almost entire of my life.

Interviewer : Is it necessary for you to know and learn English? Why?

Interviewee : Yes, it's so necessary because others people can understanding it very well so do i

Interviewer : What is the importance of English as foreign language in our education system?

Interviewee : The importance of English as foreign language in our education system is it can be improved my English skills.

Interviewer : Do you have difficulty in asking, responding and understanding the lesson in English? Why?

Interviewee : I think there is difficulty in asking, responding and understanding the lesson in English, sometimes, I confused in understanding the materials because the teachers talked quickly.

Interviewer : What are the pleasant things on the use of English as a medium of instruction?

Interviewee : The pleasant things on the use of English as a medium of instruction is he can used English even though they seldom use it

Interviewer : What are the unpleasant things on the use of English as a medium of instruction?

Interviewee : The unpleasant things on the use of English as a medium of instruction is sometimes my other friend would mind to join in the conversation but they only bother us because they grammar was wrong and sometimes I confused what tenses should I use when I want to deliver my ideas.

Interviewer : What are the advantages of learning mathematics and sciences subject through English as a medium of instruction?

Interviewee : The advantage of learning mathematics and sciences subject through English as a medium of instruction is if you wanted to go to study to another country you can understand the language they use

Interviewer : What are the disadvantages of learning mathematics and sciences subject through English as a medium of instruction?

Interviewee : Disadvantage of learning mathematics and sciences subject through English as a medium of instruction is some people might do not understand the language

Interviewer : Do you sometimes face difficulties during the exam? If yes, what kind of difficulties?

Interviewee : If I do not understand the meaning of the questions in the exam, I like to ask my teacher to translate and explain it in details so that I can answer the questions

Interviewer : Do you have any suggestion in learning mathematics and sciences subject through English as a medium of instruction?

Interviewee : There is no suggestion

Nadin :

Interviewer : Good morning.

Interviewee : Good morning

Interviewer : Would you mind to mention your name?

Interviewee : My name is nadin.

Interviewer : How old are you?

Interviewee : I am 14 years old.

Interviewer : Do you still remember when the first time do you learnt English?

Interviewee : The first time i learnt English when i was 6 years old in kinder garden.

Interviewer : Is it necessary for you to know and learn English? Why?

Interviewee : Yes, it is necessary because learning some subjects through English is easier than *Bahasa*

Interviewer : What is the importance of English as foreign language in our education system?

Interviewee : The importance of English as foreign language in our education system is to learn

Interviewer : Do you have difficulty in asking, responding and understanding the lesson in English? Why?

Interviewee : I think there is difficulty in asking, responding and understanding the lesson in English sometimes I do not know some vocabularies in English especially in my textbook and explanation by the teachers and whenever I want to study, I have to translate, translate the words. This takes a lot of time.

Interviewer : What are the pleasant things on the use of English as a medium of instruction?

Interviewee : There are a lot of pleasant things on the use of English as a medium of instruction. One of them is when i learnt about counted the number

Interviewer : What are the unpleasant things on the use of English as a medium of instruction?

Interviewee : The unpleasant things on the use of English as a medium of instruction is sometimes the teacher explained the material with small voice and so fast

Interviewer : What are the advantages of learning mathematics and sciences subject through English as a medium of instruction?

Interviewee : The advantage of learning mathematics and sciences subject through English as a medium of instruction is i can communicate to other people easier

Interviewer : What are the disadvantages of learning mathematics and sciences subject through English as a medium of instruction?

Interviewee : There is no disadvantage of learning mathematics and sciences subject through English as a medium of instruction

Interviewer : Do you sometimes face difficulties during the exam? If yes, what kind of difficulties?

Interviewee : If I do not understand the meaning of the questions in the exam, I often ask my teacher to translate and explain it in details so that I can answer the questions.

Interviewer : Do you have any suggestion in learning mathematics and sciences subject through English as a medium of instruction?

Interviewee : There is no

Marcello :

Interviewer : Good morning.

Interviewee : Good morning

Interviewer : Would you mind to mention your name?

Interviewee : My name is marcello.

Interviewer : How old are you?

Interviewee : I am 14 years old.

Interviewer : Do you still remember when the first time do you learnt English?

Interviewee : The first time i learnt English when i was 5 years old in kinder garden.

Interviewer : Is it necessary for you to know and learn English? Why?

Interviewee : Yes, it is necessary. The first time i learnt it's difficulties but i keep going learn and learn

Interviewer : What is the importance of English as foreign language in our education system?

Interviewee : The importance of English as foreign language in our education system is i can used English to communicate with others people.

Interviewer : Do you have difficulty in asking, responding and understanding the lesson in English ? Why?

Interviewee : I think there is difficulty in asking, responding and understanding the lesson in English sometimes I need oxford dictionary in understanding the word written in textbook.

Interviewer : What are the pleasant things on the use of English as a medium of instruction?

Interviewee : There is no

Interviewer : What are the unpleasant things on the use of English as a medium of instruction?

Interviewee : Unpleasant things on the use of English as a medium of instruction is sometimes I confused what tenses should I use when I want to deliver my ideas.

Interviewer : What are the advantages of learning mathematics and sciences subject through English as a medium of instruction?

Interviewee : The advantage of learning mathematics and sciences subject through English as a medium of instruction is I can improve my English skills.

Interviewer : What are the disadvantages of learning mathematics and sciences subject through English as a medium of instruction?

Interviewee : There is no disadvantage of learning mathematics and sciences subject through English as a medium of instruction

Interviewer : Do you sometimes face difficulties during the exam? If yes, what kind of difficulties?

Interviewee : Yes, I do. Sometimes I do not know the meaning and do not understand the exam through English as a medium of instruction.

Interviewer : Do you have any suggestion in learning mathematics and sciences subject through English as a medium of instruction?

Interviewee : There is no

Niak :

Interviewer : Good morning.

Interviewee : Good morning

Interviewer : Would you mind to mention your name?

Interviewee : My name is nia.

Interviewer : How old are you?

Interviewee : I am 14 years old.

Interviewer : Do you still remember when the first time do you learnt English ?

Interviewee : The first time i learnt English when i was 6 years old in kinder garden.

Interviewer : Is it necessary for you to know and learn English? Why?

Interviewee : Yes, it is necessary for my future

Interviewer : What is the importance of English as foreign language in our education system?

Interviewee : The importance of English as foreign language in our education system is for communicate

Interviewer : Do you have difficulty in asking, responding and understanding the lesson in English? Why?

Interviewee : Sometimes i have difficulty in asking, responding and understanding the lesson in English. So, I like to ask to my friend to explain again the material.

Interviewer : What are the pleasant things on the use of English as a medium of instruction?

Interviewee : There are a lot of pleasant things on the use of English as a medium of instruction. One of them is when i learnt about counted the number

Interviewer : What are the unpleasant things on the use of English as a medium of instruction?

Interviewee : The unpleasant things on the use of English as a medium of instruction is sometimes i don't understand the material well

Interviewer : What are the advantages of learning mathematics and sciences subject through English as a medium of instruction?

Interviewee : The advantage of learning mathematics and sciences subject through English as a medium of instruction is i can learn and understand those subjects well

Interviewer : What are the disadvantages of learning mathematics and sciences subject through English as a medium of instruction?

Interviewee : There is no disadvantage of learning mathematics and sciences subject through English as a medium of instruction

Interviewer : Do you sometimes face difficulties during the exam? If yes, what kind of difficulties?

Interviewee : Yes, I do. Sometimes I do not know the meaning and do not understand the exam through English as a medium of instruction.

Interviewer : Do you have any suggestion in learning mathematics and sciences subject through English as a medium of instruction?

Interviewee : There is no

Rinaldo :

Interviewer : Good morning.

Interviewee : Good morning

Interviewer : Would you mind to mention your name?

Interviewee : My name is rinaldo.

Interviewer : How old are you?

Interviewee : I am 14 years old.

Interviewer : Do you still remember when the first time do you learnt English?

Interviewee : The first time i learnt English when i was 6 years old in kinder garden.

Interviewer : Is it necessary for you to know and learn English? Why?

Interviewee : Yes, it's necessary English is an international language n i can communicate with other people from different country

Interviewer : What is the importance of English as foreign language in our education system?

Interviewee : The importance of English as foreign language in our education system is to learn

Interviewer : Do you have difficulty in asking, responding and understanding the lesson in English? Why?

Interviewee : I think there are some difficulties in asking, responding and understanding the lesson in English and I do not know some vocabularies in English especially in my textbook and explanation by the teachers.

Interviewer : What are the pleasant things on the use of English as a medium of instruction?

Interviewee : There are a lot of pleasant things on the use of English as a medium of instruction. One of them is when i learnt about counted the number

Interviewer : What are the unpleasant things on the use of English as a medium of instruction?

Interviewee : The unpleasant things on the use of English as a medium of instruction is when i should counted the big number and it made me confused also what tensed should I use when I want to deliver my ideas.

Interviewer : What are the advantages of learning mathematics and sciences subject through English as a medium of instruction?

Interviewee : The advantage of learning mathematics and sciences subject through English as a medium of instruction is to understand and if i learn in another i could understand the material well

Interviewer : What are the disadvantages of learning mathematics and sciences subject through English as a medium of instruction?

Interviewee : There is no disadvantage of learning mathematics and sciences subject through English as a medium of instruction

Interviewer : Do you sometimes face difficulties during the exam? If yes, what kind of difficulties?

Interviewee : If I do not understand the meaning of the questions in the exam, I often ask my teacher to translate and explain it in details so that I can answer the questions

Interviewer : Do you have any suggestion in learning mathematics and sciences subject through English as a medium of instruction?

Interviewee : There is no

Kyla :

Interviewer : Good morning.

Interviewee : Good morning

Interviewer : Would you mind to mention your name?

Interviewee : My name is kyla.

Interviewer : How old are you?

Interviewee : I am 14 years old.

Interviewer : Do you still remember when the first time do you learnt English?

Interviewee : The first time i learnt English when I was 6 years old in kinder garden.

Interviewer : Is it necessary for you to know and learn English? Why?

Interviewee : Yes, it's necessary because we can have communication with other people from another country

Interviewer : What is the importance of English as foreign language in our education system?

Interviewee : The importance of English as foreign language in our education system is for knowing the concept of those subject in another version and if I speak English everyday especially in my school, I can join international Olympiad competition because I can speak English.

Interviewer : Do you have difficulty in asking, responding and understanding the lesson in English? Why?

Interviewee : Sometimes it's hard to understand the material in English version and she directly ask the teacher to re-explain in *Bahasa* especially for some terms of the subject

Interviewer : What are the pleasant things on the use of English as a medium of instruction?

Interviewee : I can get more knowledge about the material of those subject in English and improve my vocabulary

Interviewer : What are the unpleasant things on the use of English as a medium of instruction?

Interviewee : The unpleasant things on the use of English as a medium of instruction is when i should counted the big number and it made me confused.

Interviewer : What are the advantages of learning mathematics and sciences subject through English as a medium of instruction?

Interviewee : The advantage of learning mathematics and sciences subject through English as a medium of instruction is i can learn and understand those subjects well

Interviewer : What are the disadvantages of learning mathematics and sciences subject through English as a medium of instruction?

Interviewee : Disadvantage of learning mathematics and sciences subject through English as a medium of instruction is difficult word/ term.

Interviewer : Do you sometimes face difficulties during the exam? If yes, what kind of difficulties?

Interviewee : Yes, I do. Sometimes I do not know the meaning and do not understand the exam through English as a medium of instruction.

Interviewer : Do you have any suggestion in learning mathematics and sciences subject through English as a medium of instruction?

Interviewee : Explain more about the material

Delvin :

Interviewer : Good morning.

Interviewee : Good morning

Interviewer : Would you mind to mention your name?

Interviewee : My name is delvin.

Interviewer : How old are you?

Interviewee : I am 14 years old.

Interviewer : Do you still remember when the first time do you learnt English?

Interviewee : The first time i learnt English when i was 6 years old in kinder garden.

Interviewer : Is it necessary for you to know and learn English? Why?

Interviewee : Yes, it is necessary. It is for my study and communicate with others people

Interviewer : What is the importance of English as foreign language in our education system?

Interviewee : The importance of English as foreign language in our education system is i can use English as a second language and if I speak English everyday especially in my school, I can join Olympiad competition because I able to speak English.

Interviewer : Do you have difficulty in asking, responding and understanding the lesson in English? Why?

Interviewee : Sometimes the teacher explained with unclear voice so i asked them to repeat the lesson

Interviewer : What are the pleasant things on the use of English as a medium of instruction?

Interviewee : Sometimes using English is more polite than *Bahasa* and I prefer to use English than *Bahasa* because it makes me confident enough in delivering my opinions to my teacher.

Interviewer : What are the unpleasant things on the use of English as a medium of instruction?

Interviewee : The unpleasant things on the use of English as a medium of instruction is difficult to understand some terms in English about those subjects.

Interviewer : What are the advantages of learning mathematics and sciences subject through English as a medium of instruction?

Interviewee : The advantage of learning mathematics and sciences subject through English as a medium of instruction is i can know another language of the material

Interviewer : What are the disadvantages of learning mathematics and sciences subject through English as a medium of instruction?

Interviewee : There is no disadvantage of learning mathematics and sciences subject through English as a medium of instruction

Interviewer : Do you sometimes face difficulties during the exam? If yes, what kind of difficulties?

Interviewee : Yes, I do. Sometimes I do not know the meaning and do not understand the exam through English as a medium of instruction.

Interviewer : Do you have any suggestion in learning mathematics and sciences subject through English as a medium of instruction?

Interviewee : We can combine between English and *Bahasa* in our subjects

Sharen :

Interviewer : Good morning.

Interviewee : Good morning

Interviewer : Would you mind to mention your name?

Interviewee : My name is tary.

Interviewer : How old are you?

Interviewee : I am 14 years old.

Interviewer : Do you still remember when the first time do you learnt English?

Interviewee : The first time i learnt English when i was 6 years old in kinder garden.

Interviewer : Is it necessary for you to know and learn English? Why?

Interviewee : Yes, it is necessary because i can help my parents when the invited me go to another country and communicate with foreigner

Interviewer : What is the importance of English as foreign language in our education system?

Interviewee : The importance of English as foreign language in our education system is they have special terms and we have to use in English for example like in singapore they use full English.

Interviewer : Do you have difficulty in asking, responding and understanding the lesson in English? Why?

Interviewee : Sometimes I got a bit confuse because the new vocabulary and terms in those subject. The teacher explained with unclear voice and quickly so I asked her to repeat the lesson.

Interviewer : What are the pleasant things on the use of English as a medium of instruction?

Interviewee : The pleasant things on the use of English as a medium of instruction is my English skills is improved and learning mathematics and physics subjects by using English is more fun.

Interviewer : What are the unpleasant things on the use of English as a medium of instruction?

Interviewee : The unpleasant things on the use of English as a medium of instruction is sometimes I dumb the new vocabulary so i will ask my teacher and sometimes I am not confident when I talked with my teacher because I am afraid my grammar is wrong.

Interviewer : What are the advantages of learning mathematics and sciences subject through English as a medium of instruction?

Interviewee : The advantages of learning mathematics and sciences subject through English as a medium of instruction are I can more understand when i join the Indonesian olimpiade and I prefer to use English than *Bahasa* because it makes me confident enough in delivering my opinions to my teacher

Interviewer : What are the disadvantages of learning mathematics and sciences subject through English as a medium of instruction?

Interviewee : I can't answer the question if i don't know the vocabulary

Interviewer : Do you sometimes face difficulties during the exam? If yes, what kind of difficulties?

Interviewee : Yes, I do. Sometimes I do not know the meaning and do not understand the exam through English as a medium of instruction.

Interviewer : Do you have any suggestion in learning mathematics and sciences subject through English as a medium of instruction?

Interviewee : I hope they can separate what date we can use English because not everyday we use English in our daily activities

Akbar :

Interviewer : Good morning.

Interviewee : Good morning

Interviewer : Would you mind to mention your name?

Interviewee : My name is akbar.

Interviewer : How old are you?

Interviewee : I am 14 years old.

Interviewer : Do you still remember when the first time do you learnt English?

Interviewee : The first time i learnt English when i was 6 years old in kinder garden.

Interviewer : Is it necessary for you to know and learn English? Why?

Interviewee : Yes, it is necessary. It is for my study and communicate with others people

Interviewer : What is the importance of English as foreign language in our education system?

Interviewee : The importance of English as foreign language in our education system is the use of English motivates me in learning the materials.

Interviewer : Do you have difficulty in asking, responding and understanding the lesson in English? Why?

Interviewee : I think there is no difficulty in asking, responding and understanding the lesson in English but sometimes I confused what tenses should I use when I want to deliver my ideas.

Interviewer : What are the pleasant things on the use of English as a medium of instruction?

Interviewee : There are a lot of pleasant things on the use of English as a medium of instruction. One of them is when i learnt about counted the number

Interviewer : What are the unpleasant things on the use of English as a medium of instruction?

Interviewee : The unpleasant things on the use of English as a medium of instruction is when i should counted the big number and it made me confused and I do not know some vocabularies in English especially in my textbook and explanation by the teachers.

Interviewer : What are the advantages of learning mathematics and sciences subject through English as a medium of instruction?

Interviewee : The advantage of learning mathematics and sciences subject through English as a medium of instruction is i can learn and understand those subjects well

Interviewer : What are the disadvantages of learning mathematics and sciences subject through English as a medium of instruction?

Interviewee : There is no disadvantage of learning mathematics and sciences subject through English as a medium of instruction

Interviewer : Do you have any suggestion in learning mathematics and sciences subject through English as a medium of instruction?

Interviewee : There is no

Thalia nadin halim :

Interviewer : Good morning.

Interviewee : Good morning

Interviewer : Would you mind to mention your name?

Interviewee : My name is thalia.

Interviewer : How old are you?

Interviewee : I am 14 years old.

Interviewer : Do you still remember when the first time do you learnt English?

Interviewee : The first time i learnt English when i was 6 years old in kinder garden.

Interviewer :Is it necessary for you to know and learn English? Why?

Interviewee : Yes, it is necessary. It is for my study and communicate with others people

Interviewer : What is the importance of English as foreign language in our education system?

Interviewee : The importance of English as foreign language in our education system is to learn

Interviewer : Do you have difficulty in asking, responding and understanding the lesson in English? Why?

Interviewee : I think there is no difficulty in asking, responding and understanding the lesson in English

Interviewer : What are the pleasant things on the use of English as a medium of instruction?

Interviewee : There are a lot of pleasant things on the use of English as a medium of instruction. One of them is when I learnt about counted the number and using English is more interesting than using *Bahasa* because I can know the concept of those subjects in English version.

Interviewer : What are the unpleasant things on the use of English as a medium of instruction?

Interviewee : The unpleasant things on the use of English as a medium of instruction is when people talk too fast it's hard for me to understand and sometimes I feel confused about special terms in some subjects, for example, physics and mathematics.

Interviewer : What are the advantages of learning mathematics and sciences subject through English as a medium of instruction?

Interviewee : The advantage of learning mathematics and sciences subject through English as a medium of instruction is it can improve my English skill

Interviewer : What are the disadvantages of learning mathematics and sciences subject through English as a medium of instruction?

Interviewee : There is no disadvantage of learning mathematics and sciences subject through English as a medium of instruction

Interviewer : Do you sometimes face difficulties doing exercise? If yes, what kind of difficulties?

Interviewee : I have difficulty in understanding the meaning of the questions in the exercise because I do not understand.

Interviewer : Do you have any suggestion in learning mathematics and sciences subject through English as a medium of instruction?

Interviewee : There is no

APPENDIX E

DATA ANALYSIS OF STUDENTS' PERCEPTIONS ON THE USE OF ENGLISH AS A MEDIUM OF INSTRUCTION

| EXTRACT | CODE | THEME |
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| <ul style="list-style-type: none"> • I think learning mathematics and physics by using <u>English is more interesting than using Bahasa Indonesia</u> because I can know the concept of those subjects in English version. (Source: Interview) • Learning mathematics and physics subject by <u>using English is more fun</u>(Source: Interview) • I found that <u>most of students were active in giving comment, asking and answering the questions by using English</u> after the teacher explained the material.(Source: field notes). • I also found that the students often <u>participated actively</u> during the teaching and learning activities(Source: field notes). • In addition, I also found that <u>most of students paid a good attention to their teacher</u> especially when their teacher explained the material by using English.(Source: field notes) | <p>Most of students were active in giving their ideas related to the material.</p> <p>Most of students gave a good participation and attention when their teacher explained the material.</p> | <p>Students feel that their interest in learning the materials improved</p> |

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| <ul style="list-style-type: none"> • In my opinion, <u>the use of English motivates me in learning the materials.</u> (Source: Interview) • I think, English is international language so, <u>it is needed for my future</u> because I want to study in Singapore or other countries. (Source: Interview). • If I speak English everyday especially in my school, <u>I can join international physics Olympiad competition</u> because I can speak English. (Source: Interview). • If I can speak English <u>I can communicate with other people from another country.</u> (Source: Interview). • <u>I can understand the lesson easier when my teachers used English</u> than Bahasa Indonesia. (Source: Interview). | <p>The use of English increased students' enthusiasm in learning the materials.</p> | <p>Students feel that their motivation in learning the materials improved</p> |
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DATA ANALYSIS OF STUDENTS' DIFFICULTIES ON THE USE OF ENGLISH AS A MEDIUM OF INSTRUCTION

| EXTRACT | CODE | THEME |
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| <ul style="list-style-type: none"> • We all had problems in <u>understanding the material of Mathematics and Physics</u> because it had written in English not in Bahasa (Source: Interview). | <p>Some students could not understand the material well.</p> <p>Some students avoided expressing their opinions in classroom discussions</p> | <p>Students feel Difficult in Comprehending the Meaning of the Materials in English.</p> |

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| <ul style="list-style-type: none"> • Whenever I want to study, <u>I have to translate, translate the words.</u> This takes a lot of time(<i>Source: Interview</i>). • Sometimes <u>I can not deliver my opinion</u> about something because I am afraid of making mistakes (<i>Source: Interview</i>). • Taking an EMI course is <u>sometimes difficult because of different concept of the material</u>(<i>Source: Interview</i>). | <p>because they are afraid of making mistakes.</p> <p>Some students could not comprehend the content of their classes.</p> <p>Most of students tended to translate the material first.</p> | |
| <ul style="list-style-type: none"> • Sometimes <u>I feel confused about special terms in some subjects,</u> for example, physics and mathematics(<i>Source: interview</i>). • <u>I do not know some vocabularies in English</u>(<i>Source: interview</i>). • <u>I do not know some vocabularies</u> in English (<i>Source: interview</i>). | <p>Most of students felt confused about the special terms in mathematics and physics subject.</p> <p>Most of students had difficulty in delivering their ideas when they forgot or even did not know some vocabularies in English.</p> | <p>Students feel Difficult in Coping with Technical Terms.</p> |
| <ul style="list-style-type: none"> • <u>I do not understand some questions</u> in the exercises which is given from my mathematics and sciences teacher(<i>Source: interview</i>). • <u>I always ask my friends about the meaning of the questions</u> in the exercise because I do not understand(<i>Source: interview</i>). • If I do not understand the | <p>Most of students did not understand some questions in their exercises.</p> <p>Most of students tended to ask their teacher of Mathematics and Physics to explain and translate the questions.</p> | <p>Students feel Difficult in Understanding the test items</p> |

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| <p>meaning of the questions in the exam, <u>I often ask my teacher to translate and explain it in details</u> so that I can answer the questions(<i>Source: interview</i>).</p> | | |
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DATA ANALYSIS OF THE FACTORS OF STUDENTS' DIFFICULTIES ON THE USE OF ENGLISH AS A MEDIUM INSTRUCTION

| EXTRACT | CODE | THEME |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| <ul style="list-style-type: none"> • Sometimes <u>I feel confused about special terms in some subjects</u>, for example, physics and mathematics. (<i>Source: interview</i>). • <u>I do not know some vocabularies in English</u> especially in my textbook and explanation by the teachers. (<i>Source: interview</i>). • I found that <u>most of students tended to open their dictionaries</u> when they do not know the English of some words. (<i>Source: Field notes</i>). • I am not confident when I talked with my teacher because <u>I am afraid my grammar is wrong</u>. (<i>Source: interview</i>). • Sometimes <u>I confused what</u> | <p>Most of students had difficulty in delivering their ideas when they forgot or even did not know some vocabularies in English.</p> <p>Most of students were afraid of making a mistake in building the sentences.</p> <p>Some students spoke English ungrammatically.</p> <p>Most of students had errors in the pronunciation of English words.</p> | <p>Lack of English Proficiency</p> |

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| <p><u>tenses I should use</u> when I want to deliver my ideas. (Source: interview).</p> <ul style="list-style-type: none"> • I will not talk to my friends using English <u>if they talked with wrong grammar</u>. (Source: interview). • I found that some students tended to <u>speak English ungrammatically</u> during learning activity. (Source: Field notes). | | |
| <ul style="list-style-type: none"> • I found that some students <u>confused in understanding the material</u> in textbook during learning activity. (Source: Field notes). • I found that some students <u>tended to translate the words</u> in textbook during learning activity. (Source: Field notes). | <p>Most of students confused in understanding the written text.</p> <p>Most of students tended to translate the words in written text.</p> | <p>High Level of Language Used in the textbook</p> |
| <ul style="list-style-type: none"> • I found that some of students <u>tended to grasp the material slowly</u> during learning activity. (Source: Field notes). | <p>Most of students tended to grasp the materials slowly.</p> | <p>Teacher's High speed explanation</p> |

APPENDIX F

DOCUMENTATIONS



